

# PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2002-105765

(43)Date of publication of application : 10.04.2002

(51)Int.Cl.

D01F 9/127

B82B 1/00

B82B 3/00

C01B 31/02

(21)Application number : 2000-297658

(71)Applicant : TOSHIBA CORP

(22)Date of filing : 28.09.2000

(72)Inventor : MARUYAMA MIHO

FUKAZAWA TAKAYUKI

SUENAGA SEIICHI

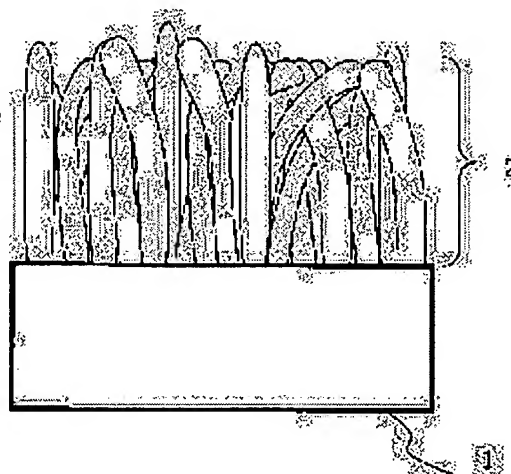
ITSUDO YASUHIRO

(54) CARBON NANOFIBER COMPOUND AND METHOD FOR PRODUCING CARBON NANOFIBER

(57)Abstract:

PROBLEM TO BE SOLVED: To grow carbon nanofibers in a high density on the surface of a substrate.

SOLUTION: When a substrate 1 comprising the intermediate phase of nickel oxide and magnesium oxide is disposed in a reducing atmosphere, the nickel oxide is selectively reduced and deposited. Since the nickel deposited from the intermediate phase is uniformly and densely disposed on the surface of the substrate in a fine size, the carbon nanofibers 2 grown from the nickel are also fine, uniform and dense.



## LEGAL STATUS

[Date of request for examination]

28.09.2000

[Date of sending the examiner's decision of

rejection]

[Kind of final disposal of application other than  
the examiner's decision of rejection or  
application converted registration]

[Date of final disposal for application]

[Patent number] 3469186

[Date of registration] 05.09.2003

[Number of appeal against examiner's  
decision of rejection]

[Date of requesting appeal against examiner's  
decision of rejection]

[Date of extinction of right]